



SEQUENCE LISTING

Popoff, Steven N. Safado, Fayez F. Owen, Thomas A. Smock, Steven L.

<120> Osteoactivin Protein and Nucleic Acids Encoding the Same, Compositions and Methods of Stimulating Bone Differentiation

<130> 71369.262

<140> US 09/943,075

<141> 2001-08-30

<150> US 60/229,006

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gaa agt ctc tgc ggg gtc ctg gta ttt ctg ctg ctg gct gca gga ctg 165 Glu Ser Leu Cys Gly Val Leu Val Phe Leu Leu Leu Ala Ala Gly Leu 5 10 15

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COPY OF PAPERS ORIGINALLY FILED

94





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04 Cont.





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Qt Const





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at and



245 250 Arg Asp Leu Pro Ile Phe Phe Asp Val Leu Ile His Asp Pro Ser His 265 270 Phe Leu Asn Tyr Ser Ala Ile Ser Tyr Lys Trp Asn Phe Gly Asp Asn 280 Thr Gly Leu Phe Val Ser Asn Asn His Thr Leu Asn His Thr Tyr Val 295 300 Leu Asn Gly Thr Phe Asn Phe Asn Leu Thr Val Gln Thr Ala Val Pro 310 315 Gly Pro Cys Pro Ser Pro Thr Pro Ser Pro Ser Ser Ser Thr Ser Pro 325 330 Ser Pro Ala Ser Ser Pro Ser Pro Thr Leu Ser Thr Pro Ser Pro Ser 345 Leu Met Pro Thr Gly Tyr Lys Ser Met Glu Leu Ser Asp Ile Ser Asn 360 Glu Asn Cys Arg Ile Asn Arg Tyr Gly Tyr Phe Arg Ala Thr Ile Thr 375 Ile Val Asp Gly Ile Leu Glu Val Asn Ile Ile Gln Val Ala Asp Val 390 395 Pro Ile Pro Thr Leu Gln Pro Asp Asn Ser Leu Met Asp Phe Ile Val 405 410 Thr Cys Lys Gly Ala Thr Pro Thr Glu Ala Cys Thr Ile Ile Ser Asp 425 Pro Thr Cys Gln Ile Ala Gln Asn Arg Val Cys Ser Pro Val Ala Val 435 440 Asp Glu Leu Cys Leu Leu Ser Val Arg Arg Ala Phe Asn Gly Ser Gly 455 460 Thr Tyr Cys Val Asn Phe Thr Leu Gly Asp Asp Ala Ser Leu Ala Leu 470 475 Thr Ser Ala Leu Ile Ser Ile Pro Gly Lys Asp Leu Gly Ser Pro Leu 485 490 Arg Thr Val Asn Gly Val Leu Ile Ser Ile Gly Cys Leu Ala Met Phe 500 505 Val Thr Met Val Thr Ile Leu Leu Tyr Lys Lys His Lys Thr Tyr Lys 515 520 Pro Ile Gly Asn Cys Thr Arg Asn Val Val Lys Gly Lys Gly Leu Ser 535 540 Val Phe Leu Ser His Ala Lys Ala Pro Phe Ser Arg Gly Asp Arg Glu 550 Lys Asp Pro Leu Leu Gln Asp Lys Pro Trp Met Leu 565

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Phe Leu Asn Asp Ser Ala Ile Ser Tyr Lys Trp Asn Phe Gly Asp Asn 275 280 285 Thr Gly Leu Phe Val Ser Asn Asn His Thr Leu Asn His Thr Tyr Val

Leu Asn Gly Thr Phe Asn Leu Asn Leu Thr Val Gln Thr Ala Val Pro

Gly Pro Cys Pro Pro Pro Ser Pro Ser Thr Pro Pro Ser Pro Ser Thr

295

310

at and

315

300



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at Cont



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at Cont

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